

## **LISTING OF THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Claim 1 (Currently Amended)**

A device for injection, comprising  
a body having a first channel for conveyance of a first medical substance;  
a first connecting component having a first port for introduction of a first medical substance into said first channel, said first connecting component being ~~connectable to an external unit~~ configured and operative for connection to an elevated hanging fluid supply, wherein said first channel traverses the device in a generally straight vertical path with said first connecting component connected to said elevated hanging fluid supply;

said body having a second channel for conveyance of a second medical substance, said second channel forming an angle of between about 10 degrees and about 80 degrees with said first channel;

a second connecting component having a second port;  
a first flexible air- and liquid-proof membrane configured for sealing said second port, said first flexible membrane having no pre-existing openings therethrough, said first flexible membrane configured to be opened by an injection component operable for injecting a second medical substance into said second channel, said first flexible membrane being operable to achieve a sealed connection with a second flexible air- and liquid-proof membrane having no pre-existing openings therethrough, arranged in said injection component which is connectable to said second connecting component;

said second connecting component having a holder configured and operative for holding said second flexible membrane with a pressure against said first flexible membrane; and

said body having a third connecting component in fluid communication with the first and the second channels and said third connecting component having at least one third port for conveying medical substances out from said first and second channels, wherein said first, second and third connecting components and said body are an integrated unit, and wherein said first channel extends in a generally straight line through said body of said device.

**Claim 2 (Previously Presented)**

A device according to claim 1, wherein said body has a channel portion common to the first and the second channels, and said third port constitutes an outlet for said channel portion and thereby an outlet common to the first and the second channels.

**Claim 3 (Previously Presented)**

A device according to claim 1, wherein said third port is configured as an outlet for the first channel; and

said third connecting component has a fourth port configured as an outlet for the second channel.

**Claims 4-6 (Cancelled)**

**Claim 7 (Previously Presented)**

A device according to claim 1, wherein said pressure exceeds 150 kPa.

**Claim 8 (Previously Presented)**

A device according to claim 1, wherein said third connecting component comprises a first luer fitting component having a male fitting, configured to cooperate with a corresponding female fitting of a second luer fitting component, to thereby form a connection via said first and second luer fittings between said first and said second channels on one hand, and said second luer fitting component on the other hand, said connection being sealed relative to the environment.

**Claim 9 (Previously Presented)**

A device according to claim 8, wherein said first luer fitting component comprises a ring which is concentrically arranged relative to said male fitting and at least partly encloses said male fitting, the ring being provided with said thread.

**Claim 10 (Previously Presented)**

An injection arrangement comprising a device for injection according to claim 1;

a receiving unit connected to said third connecting component of the device for injection;  
an infusion bag connected to said first connecting component of said device for injection, the infusion bag containing a first medical substance in fluid communication with said receiving unit via said first channel; and

an injection component connected to said second connecting component of the device for injection, said injection component containing a second medical substance in fluid communication with said receiving unit via said second channel.

**Claim 11 (Cancelled)**

**Claim 12 (Currently Amended)**

A device for injection, the device comprising:

a body having

a first channel for conveyance of a first medical substance;

a first connecting component with a first port for introduction of said first medical substance into said first channel, said connecting component being ~~connectable to an external unit configured and operative for connection to an elevated hanging fluid supply, wherein said~~ first channel traverses the device in a generally straight vertical path with said first connecting component connected to said elevated hanging fluid supply;

a second channel for conveyance of a second medical substance, said second channel forming an angle of between about 10 degrees and about 80 degrees with said first channel, said second channel having a proximal end;

a second connecting component having a second port,

a first flexible air- and liquid-proof membrane configured and operative for sealing said second part, said first flexible air- and liquid-proof membrane having no pre-existing openings therethrough;

said first air- and liquid-proof membrane positioned at said proximal end of said second channel, and said second channel being configured and operative to be opened by means of an injection component for injecting a second medical substance into said second channel,

said first flexible air- and liquid-proof membrane being operative to achieve a sealed connection with a second flexible membrane having no pre-existing openings therethrough, said

second flexible membrane arranged in said injection component which is connectable to said second connecting component at the proximal end of the second channel;

said second connection component having a holder operative for holding said second flexible membrane with a pressure against said first flexible membrane; and

a third connecting component in fluid communication with said first and second channels and having at least one third port for conveying said first and second medical substances out from said first and second channels,

wherein said first, second and third connecting components and said body together comprise an integrated unit.

### **Claim 13 (Currently Amended)**

A device for injection, the device comprising:

a body having

a first channel for conveyance of a first medical substance;

a first connecting component having a first port for introduction of the first medical substance into said first channel, said connecting component ~~being connectable to an external unit configured and operative for connection to an elevated hanging fluid supply, wherein said~~ first channel traverses the device in a generally straight vertical path with said first connecting component connected to said elevated hanging fluid supply;

a second channel for conveyance of a second medical substance, said second channel forming an angle of between about 10 degrees and about 80 degrees with said first channel;

a second connecting component having a second port;

a first flexible air- and liquid-proof membrane configured and operative for sealing said second port, said first flexible air- and liquid-proof membrane lacking any pre-existing opening therethrough; and

a third connecting component in fluid communication with said first and second channels, said third connecting component having a third port operative to convey said first and second medical substances out from said first and second channels,

wherein said first, second and third connecting components and said body together comprise an integrated unit;

an injection component configured and operative for injecting a second medical substance into said second channel, said injection component having a second flexible membrane with no pre-existing openings therethrough, and being configured and operative to be connected to said second connecting component; and

said second connecting component having a holder configured and operative for holding said second flexible membrane with a pressure against said first flexible membrane.

**Claim 14 (Previously Presented)**

A device for injection according to claim 1, wherein said injection component comprises an injection needle, and said first flexible membrane is configured and operative to be penetrated by said injection needle for said injecting said second medical substance.

**Claim 15 (Previously Presented)**

A device for injection according to claim 13, wherein said injection component comprises an injection needle, and said first flexible membrane is configured and operative to be penetrated by said injection needle for the injection of said second medical substance.

**Claim 16 (New)**

A device for injection according to claim 1, wherein said hanging fluid supply is an infusion bag.

**Claim 17 (New)**

A device for injection according to claim 13, wherein said hanging fluid supply is an infusion bag.

**Claim 18 (New)**

A device for injection, the device comprising:  
a body having  
a first channel for conveyance of a first medical substance, wherein the device is configured such that said first channel is oriented vertically in use;

a first connecting component with a first port configured for introduction of said first medical substance into said first channel under gravity;

a second channel for conveyance of a second medical substance, said second channel forming an angle of between about 10 degrees and about 80 degrees with said first channel, said second channel having a proximal end and a distal end, and being connected with said first channel at its distal end;

a second connecting component having a second port,

a first flexible air- and liquid-proof membrane configured and operative for sealing said second port, said first flexible air- and liquid-proof membrane having no pre-existing openings therethrough;

said first air- and liquid-proof membrane positioned at said proximal end of said second channel, and said second channel being configured and operative to be opened by means of an injection component for injecting a second medical substance into said second channel,

said first flexible air- and liquid-proof membrane being operative to achieve a sealed connection with a second flexible membrane having no pre-existing openings therethrough, said second flexible membrane arranged in said injection component which is connectable to said second connecting component at the proximal end of the second channel;

said second connection component having a holder operative for holding said second flexible membrane with a pressure against said first flexible membrane; and

a third connecting component in fluid communication with said first and second channels and having at least one third port for conveying said first and second medical substances out from said first and second channels,

wherein said first, second and third connecting components and said body together comprise an integrated unit.